

**ABSTRACT**

Anode active material particles and an electrolytic solution 16 are filled in an anode cell 12 as one of two vessels connected to each other with an ion-permeable separator 10 interposed therebetween, and cathode active material particles and an electrolytic solution 18 are filled in a cathode cell 14 as the other vessel. Electrically conductive current collectors 20 and 22 are provided in contact with the active material particles within the two vessels. The active material particles form fixed layers.